



Windows 10 Mobile (LUMIA)

Community Group

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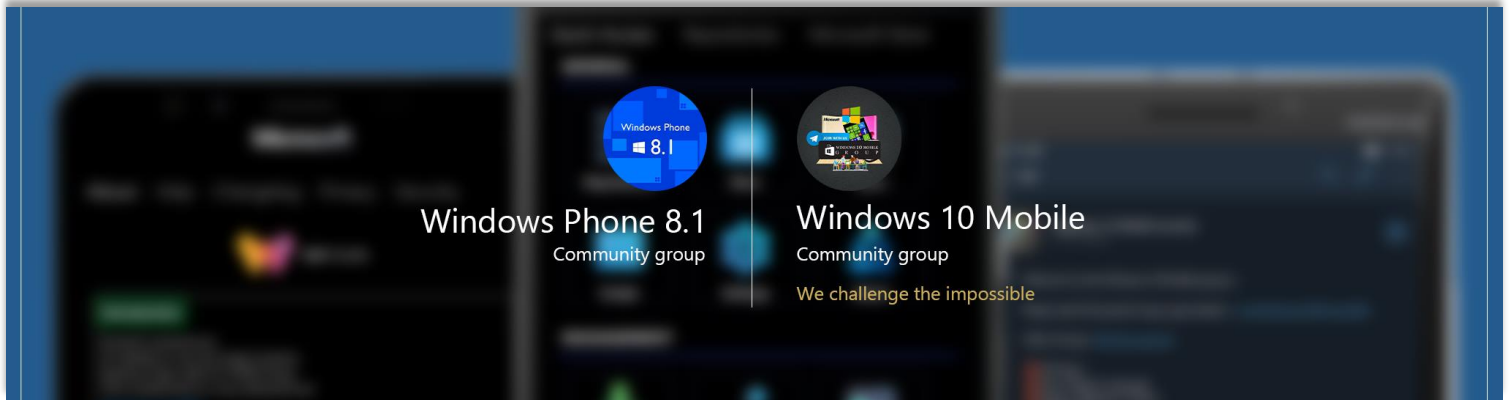


HOW TO ENABLE CONTINUUM FEATURE IN CAPABLE W10M DEVICES

COMPLETE-GUIDE

Requirements

- ❖ Windows PC (Minimum: Windows 7 SP1 | Recommended: Windows 8 & above.
- ❖ Capable Windows phone running Windows 10 Mobile.



W10M Group YouTube Channel



YOUTUBE

Apart from these documented Guides, we have started the roll up of **Video Versions** of each guide in our YouTube Channel. Don't forget to **like** and **subscribe**!

How to Enable Continuum in Unsupported Devices



YOUTUBE

If you prefer video guidance over this Documented version, then you can refer to this video version of this guide.

HOW TO ENABLE CONTINUUM IN UNSUPPORTED DEVICES

- > *What is Continuum?*
- > *Enabling Continuum in capable Devices*
- > *Frequently Asked Questions (FAQ)*



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ENABLE CONTINUUM IN CAPABLE DEVICES

COMPLETE-GUIDE



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Introduction

| DISCLAIMER

We aren't responsible for any damage/s to your device during the Process, do it at your own risk & follow the guide to the letter!

What is Continuum?

The major advertising point of the newer Lumia 950/XL; **Continuum**.

With Continuum, you can connect your phone to an external display via wirelessly / wired and enjoy a PC-like experience controlled by the phone.

This feature was shipped **only with devices shipped with Windows 10 Mobile Out-Of-Box with Type-C Interface**.

What is the purpose of this Guide?

In this guide, we will walk you through on how to manually enable this feature in your Windows 10 Mobile device which doesn't have USB Type-C hence officially un-supported.

What are the requirements?

Miracast technology **must be supported** in your Windows 10 Mobile device!

Otherwise, even if installed, you won't be able to start continuum experience.

Plus, the device **must be Interop Unlocked!**

To get that done, you can refer to our guides.



Drawbacks / Limitations with un-supported Devices

- If the target device is made before 2015, then; **Mouse, Keyboard & Touch input of the connected display isn't responsive.**
This does not affect post-2015 devices, such as Microsoft Lumia 550 & 650.
- Due to USB-Type-C Interface not present in the target device, **Wired projecting method is un-usable**, that means all the Docks (*Suc as the Microsoft HD-500*) isn't useful for un-supported devices.
- **Performance varies from device to device due to different hardware & processing power.**
So, multi-tasking across both the connected display & phone at the same time will not be smooth or not possible at all depending on the device model.
- Wireless projecting method (*which is the only method for Un-supported hardware*) can have lags so you can expect some hiccups with video playback & such tasks.

PRE-NOTES (MANDATORY)

- ✗ Once the Continuum feature is installed, you **cannot uninstall it from the system thereafter.**
If you really want to get rid of it, then you will need to re-flash your device via WDRT, WPI or any flashing tool.
(**TIP:** *It's not a bummer as even if the feature doesn't work, it will not affect usability of the device so it's not practical to re-flash the device just to uninstall it*)
- ✓ Make sure the device battery is charged **at least up to or above 40%** (*Charging fully is recommended*)

Preparations

Download **Windows Phone common packaging tools** & install in your PC.

 WP_CPTT_NT-x86-fre



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Download **Interop Tools** & install in your Lumia.



GITHUB



W.U.T



MEGA





Download correct Continuum update package

> In your Phone, go to; “**Settings** → **System** → **About**” & click **More info**.

> There, take a good note of the **OS build**.

Now, download the package matching that code from below;

Device information

Model: Microsoft Lumia 950 XL

Software: Windows 10 Mobile

Installed RAM: 3 GB

Version: 1709

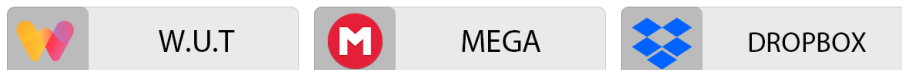
OS build:

Firmware revision number: 01078.00053.16236.35018

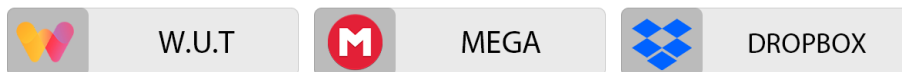
10.0.10586.107 Continuum CAB (CBS)



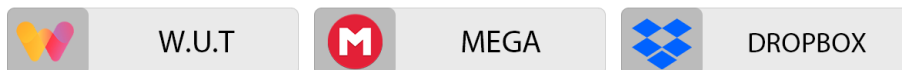
10.0.14393.1066 Continuum CAB (CBS)



10.0.14393.2551 Continuum CAB (CBS)



10.0.15063.297 Continuum CAB (CBS)



10.0.15254.603 Continuum CAB (CBS)



IMPORTANT NOTE

Download & use only the cab that matches your W10M Build! (*No matter the file names being the same, contents differ*)

FALSHING A MISMATHCING CAB CAN CAUSE;

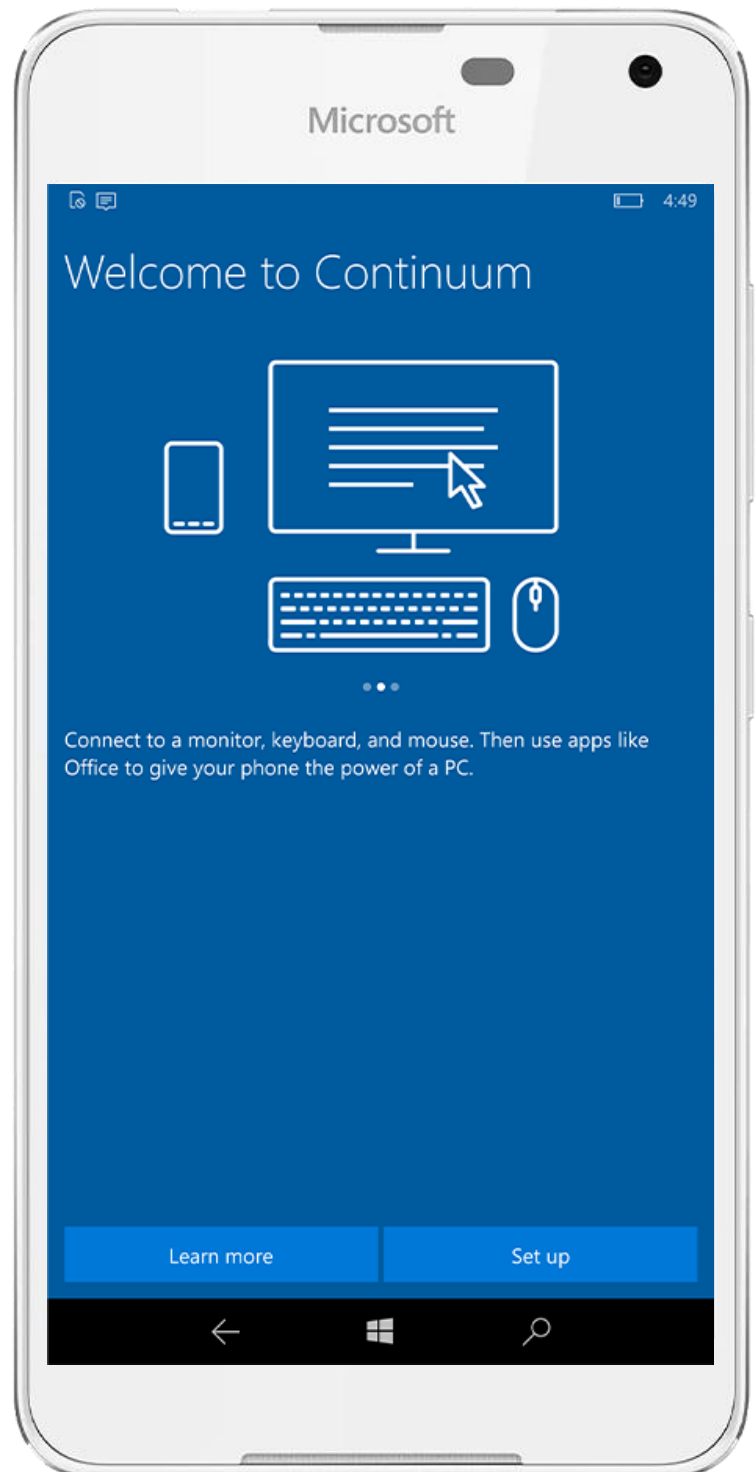
- *Continuum feature may be completely unusable / Unreliable.*
- *You may notice sudden crashes of apps / continuum.*
- *Your Phone performance can be downgraded, can expect a more sluggish experience & an unstable system.*



How to install & enable Continuum feature

For easier explaining, I will divide the complete procedure into two main parts;

1. [Install Continuum feature update package.](#)
2. [Enable Continuum feature in the system.](#)



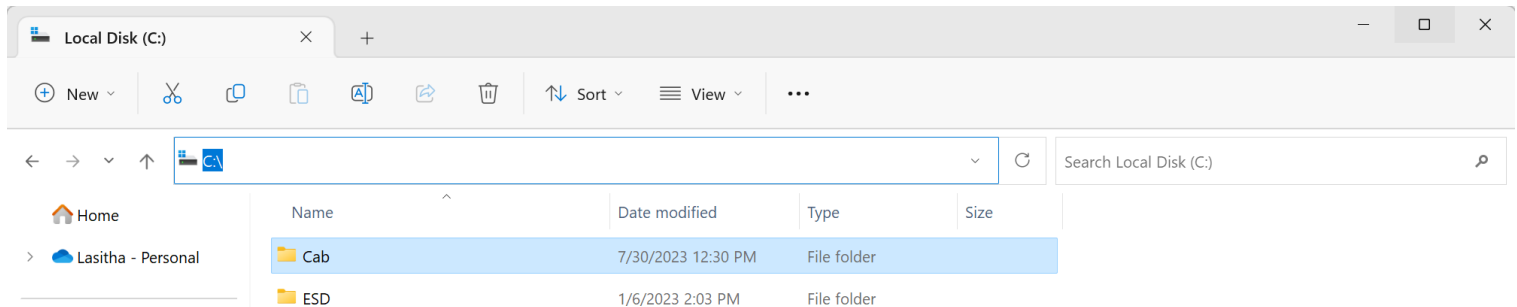


01. Install Continuum feature update package

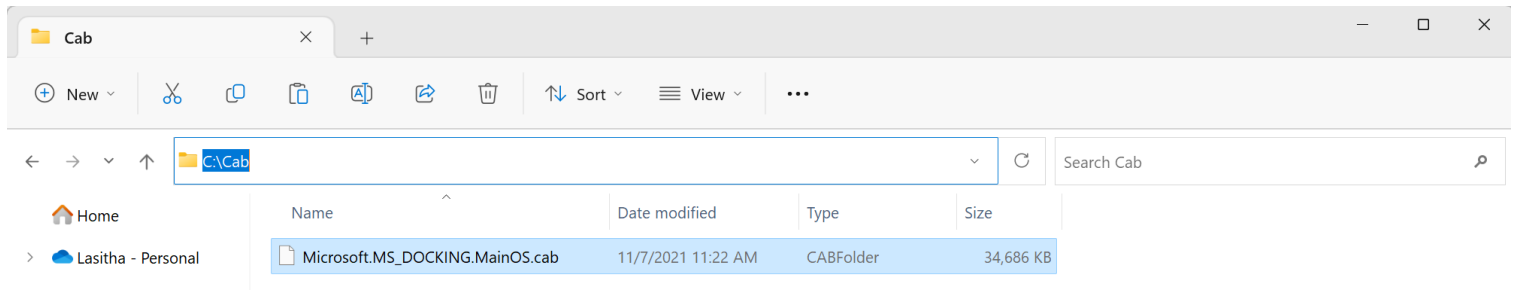
Before being able to enable Continuum, we need the feature to be installed, which is what we are going to do via the [downloaded](#) update package.

> Connect your Windows 10 Mobile device to your PC using a USB connection.

> First, create a new folder in the root partiton (*where Windows is installed*) of your PC and name it as “**Cab**”

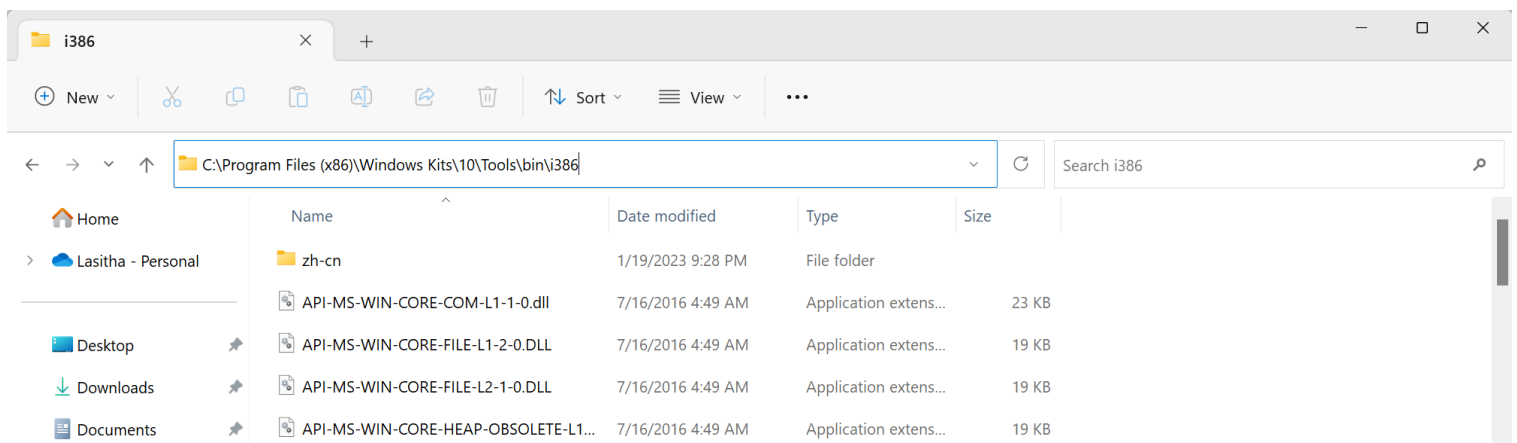


Now, move the Continuum CAB [we downloaded from above](#) to this folder.



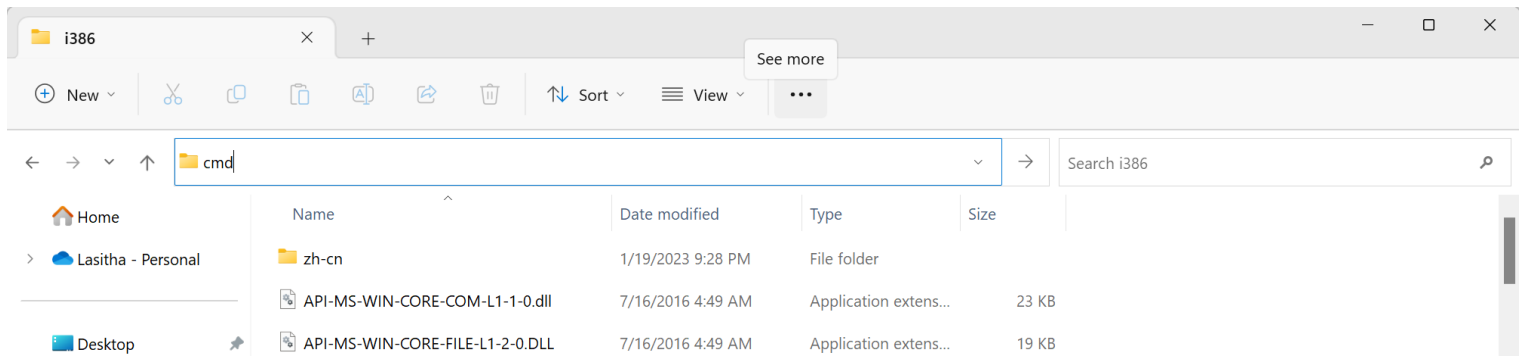
> Then go to the below directory in your PC.

C:\Program Files (x86)\Windows Kits\10\Tools\bin\i386

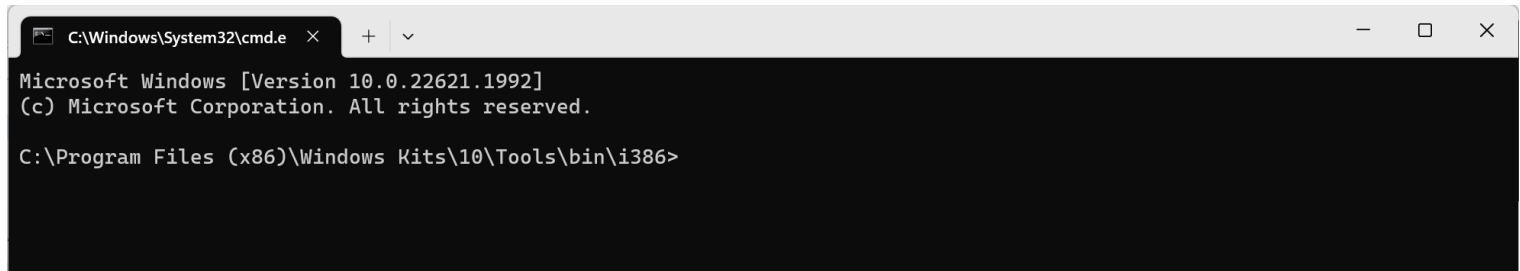




There, click on the address bar and type **CMD** & press enter.



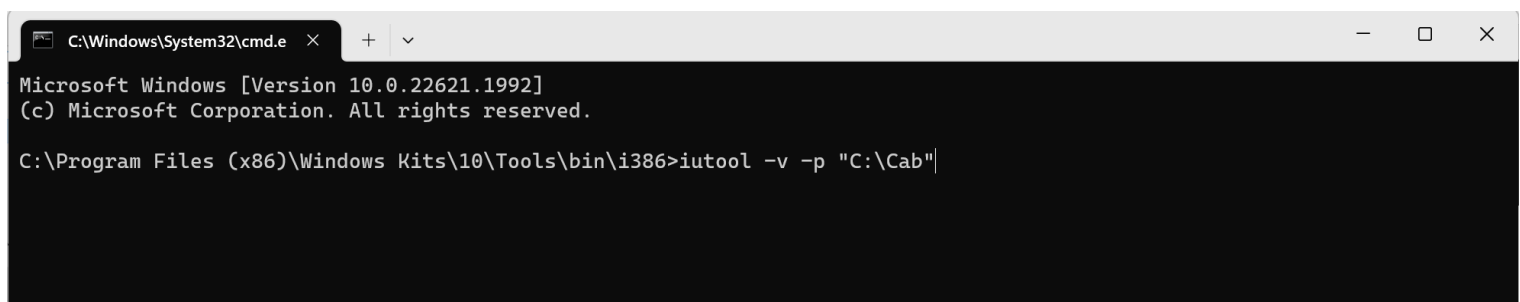
That will open a command window in that directory.



> Now, copy & paste the below command to the command window;

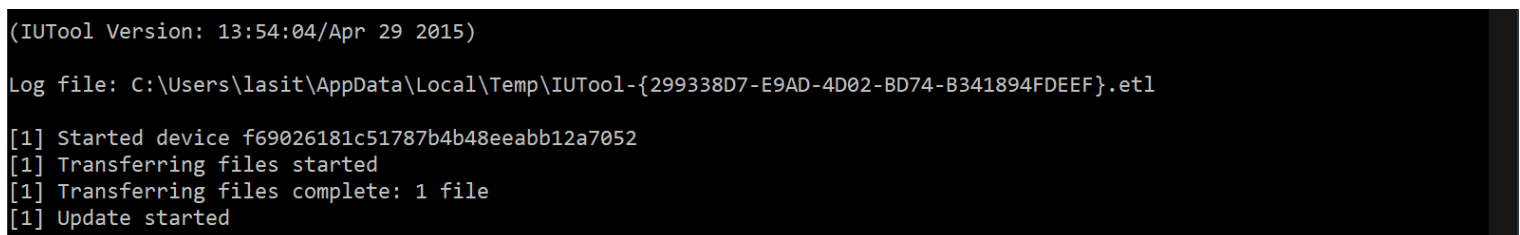
iutool -v -p "C:\Cab"

(Will need to change paths if you did not place the files [according to the guides instructions](#))



Double check the command & press enter to push the Continuum package to the phone.

It will display stats of the process.





> As soon as the above prompt is displayed in the command window, go to update settings of your phone.

“Settings → Update & Security → Phone / Windows Update”

An update will be progressing and as soon as it reaches 100%, your phone will reboot.

Update status

Updates are available.



Preparing to install updates 23%

After the reboot, the typical rotating cogs will take place.

It will also have a progress bar.

(It will only take a few seconds or minutes for it to finish)



> Once the device boots back after finishing the update installation, go to apps list.

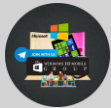
You will see Continuum app which means **Continuum feature is now installed**.



Continuum

BUT; it's not done yet!

The Continuum feature is installed, now all we gotta is to **ENABLE** it in the system.



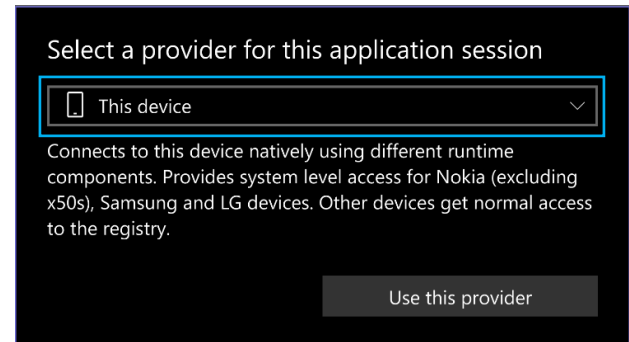
02. Enable Continuum feature in the system

To get it enabled, we need to edit the registry of the device.

BUT, thanks to the Tweaks section in Interop Tools, we **can do the required registry edits automatically via activating a simple toggle instead of manually doing them!**

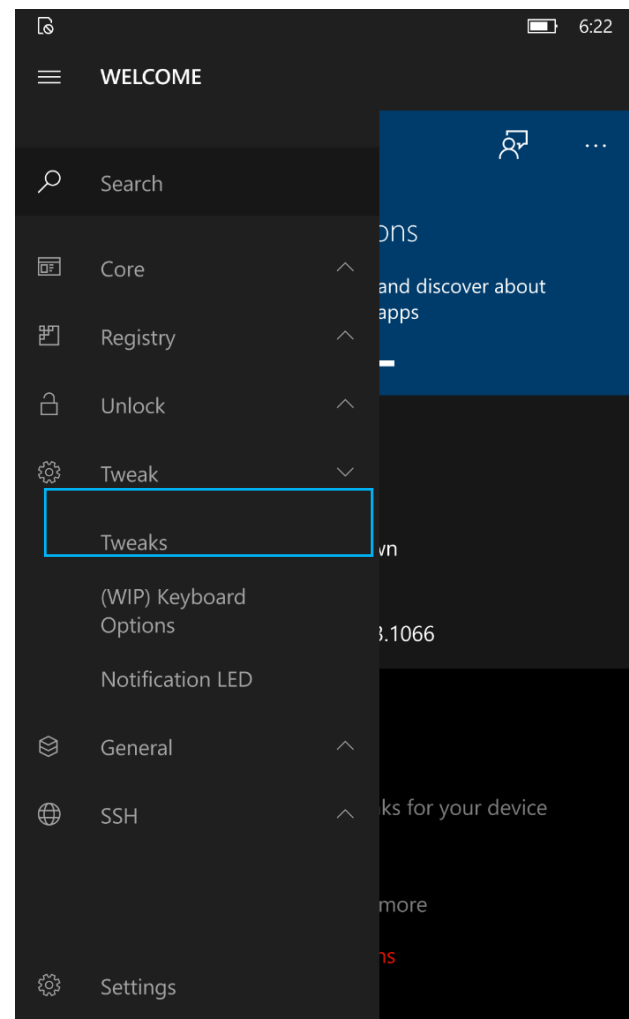
> Open **Interop Tools**.

Choose **"This Device"** as the registry provider.



> Open hamburger menu & expand **Tweaks** section.

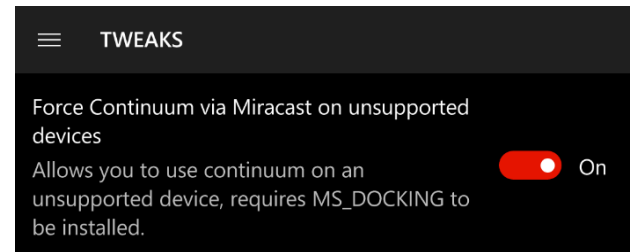
Click on the **Tweaks** entry.





> Find the **Force Continuum via Miracast on Unsupported devices** toggle in the Tweaks list.

Then activate the toggle & **restart your device**.



If you ever needed;

Here's the **manual registry edit** which is automated by the above tweak.

(OPTIONAL)

Registry Type: **Integer**

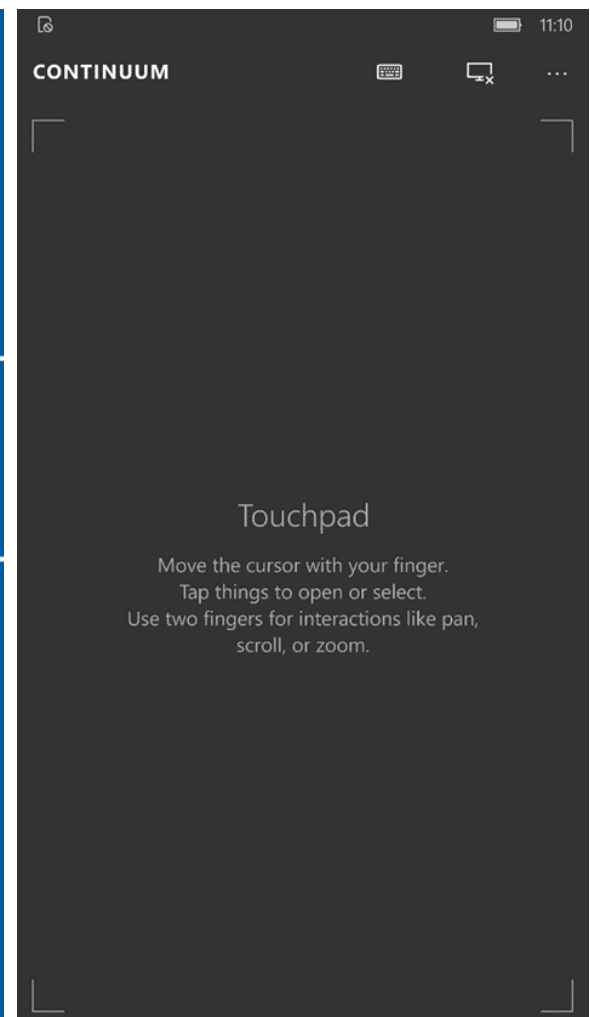
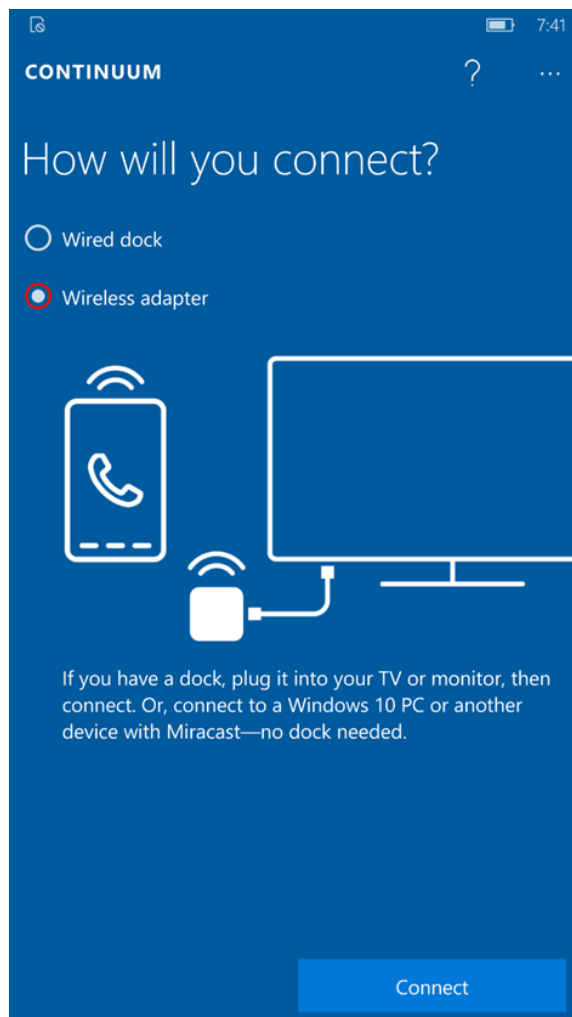
Registry key path: **HKLM\SOFTWARE\Microsoft\shell\docking**

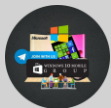
Registry Value Name: **EnabledForTest**

Registry Value Data: **1**

> That is all, the work is done & you can **enjoy Continuum now!**

(Remember, you can only use Wireless projection)





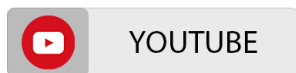
OPTIONAL: Install Continuum without a PC?

The method described in this guide uses the IUTool executable which is used in Windows PCs.

But, if you don't have a Windows PC, then you can do it all in your Windows 10 Mobile device without a PC too using an application to replicate IUTool function.

And...that tool is; **IUWP**

Refer to the below video from us to get the tool downloaded & to know how to use the tool.



What exactly you need to do?

> Only change you need to do is with the steps in [Install Continuum feature update package](#) part.

Use IUWP to install the CAB instead of using iutools.

All you gotta do is, go to; **IU Tasks** → **Install Packages** & choose the correct Continuum CAB [downloaded from above](#) and install it.

> Then continue on with the [Enable Continuum feature in the system](#) steps to get it enabled!



TROUBLESHOOT: IUTool error codes

If you are getting an error when pushing the Continuum CAB package via IUTool, then refer to the below official Documentation to find the cause & solution.



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IUTool error codes

07/08/2016 • 8 minutes to read

The following are error codes from IUTool.exe. For more info, see [IUTool.exe: Update packages on a device.](#)

Error code	Error name	Additional notes
0x00000000	SUCCESS	Success (no error)
0x80004001	E_NOTIMPL	
0x80004002	E_NOINTERFACE	
0x80004003	E_POINTER	
0x80004004	E_ABORT	
0x80004005	E_FAIL	
0x8000FFFF	E_UNEXPECTED	
0x80040154	E_CLASSNOTREG	Class not registered
0x80070002	ERROR_FILE_NOT_FOUND	
0x80070003	E_PATH_NOT_FOUND	
0x80070005	E_ACCESSDENIED	

Still not finding the solution for an error?

You can post in our Community group and ask for help to resolve the issue.

**W10M Group**

TELEGRAM





Frequently Asked Questions (FAQ)

Q. When I project the phone wirelessly, only what's on the phone display is shown, not the Continuum experience, why?

A. It can be due to not doing all the steps in this guide hence the Continuum not installing properly.

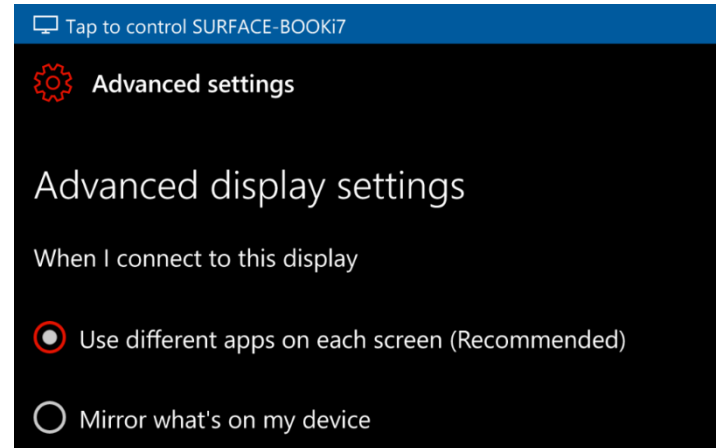
If you did all the steps & still it's not showing Continuum experience, then;

> Go to **"Settings → System → Display"** & to **Advanced Settings**.

(TIP: You need to keep the phone connected to the external display, otherwise Advanced settings will not be shown)

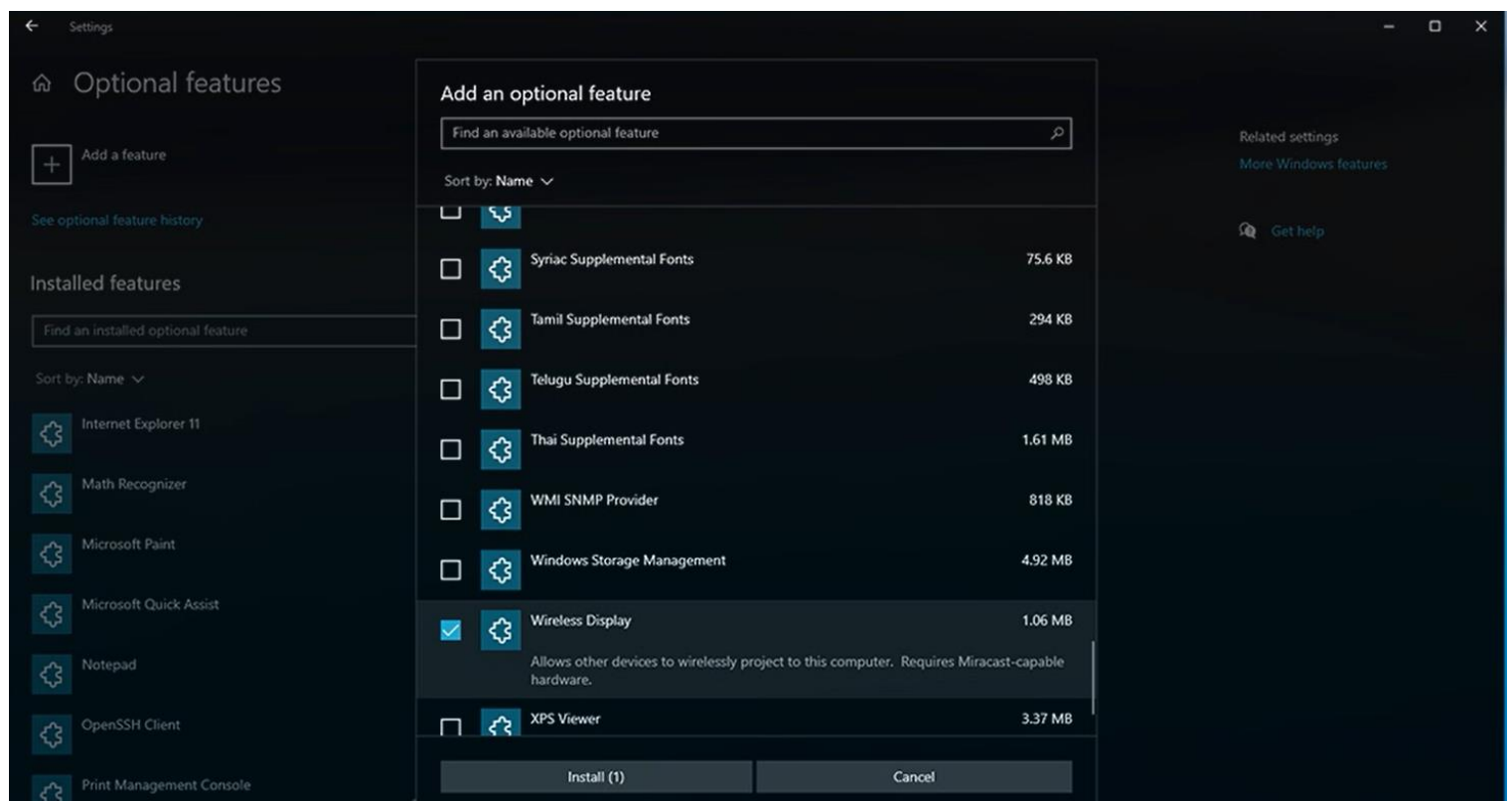
> Select **"Use different apps on each screen (Recommended)"** option.

(TIP: If the option is missing, then you haven't enabled the Continuum enablement tweak in Interop Tools)



Q. Connect app is not available in my Windows PC to project my phone to PC, what to do?

A. Microsoft stopped pre-installing the Connect app in late Windows 10 & Windows 11 OS versions, **so it will not be installed Out-Of-Box, instead it is now an optional feature.**





Q. CAB for the OS version I have in my phone is not in the list, what can I do?

A. The safest method is to downgrade OR Upgrade to an OS version which has a CAB in the [download list](#) and set-up Continuum feature thereafter.

(If you downgrade and set-up Continuum, you can then update via Windows Update settings to the build you were before the downgrade, that will update the Continuum feature as well)

Q. If I hard reset my device, will I loose Continuum?

A. Partially yeah, you will just have to Interop Unlock your phone again & do the [Enabling Continuum](#) part of this guide again.

Q. Can I remove Continuum once installed if I wanted to?

A. Sadly no, although *there is no side effect for having the feature installed even when it's not functioning correctly.*

*If you really want to Uninstall Continuum completely, you will have to **Re-flash your device** using WDRT, WPI or any other tool.*

Q. I accidentally pushed an incorrect CAB package to my device and due to that, Continuum feature *isn't working as intended*, can I fix it without a full-reflash to uninstall Continuum?

A. You just have to push the correct Continuum CAB matching the Phone OS to the phone ([Download from here](#))

Q. Is it ok to update the device OS after installing Continuum?

A. If you are updating via Windows Update settings / using a proper updater tool, then you won't need to worry as the Continuum feature will also gets updated along with the OS update.

BUT, if you are updating the device using **pre-saved CAB files of your device**, then you **should include the Continuum CAB of the update in to the same CAB list of your device.**





Credits

- ✓ Microsoft for the WP Common packaging tools, Continuum & CABs, IUTool.
- ✓ Gustave Monce for Interop Tools & IUWP.

That is all for this guide.

THANK YOU!!

Lasitha Samarasinghe

